

I. AMENDMENTS TO THE SPECIFICATION

Please amend the "Cross-Reference to Related Applications" section (as presented in Applicants' Preliminary Amendment, dated October 23, 2003) as follows:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/371,146, filed August 9, 1999 (pending), which is a continuation-in-part of U.S. Application Serial No. 09/304,517, filed May 6, 1999, (abandoned). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/684,016, filed October 10, 2000 (pending), which is a continuation-in-part of U.S. Application Serial No. 09/654,617, filed September 5, 2000 (abandoned). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/985,678, filed November 5, 2001 (~~pending~~) (abandoned), which is a continuation of U.S. Application Serial No. 09/304,517, filed May 6, 1999, (abandoned). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/816,660, filed March 26, 2001 (abandoned), which is a continuation of U.S. Application Serial No. 09/733,089, filed December 11, 2000, (abandoned). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 10/155,881, filed May 22, 2002 (abandoned). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/333,535, filed June 14, 1999 (abandoned), which claims the benefit of U.S. Application Serial No. 60/089,524, filed June 16, 1998 (expired). This application also claims priority under 35 U.S.C. §120 as a

continuation-in-part of U.S. Application Serial No. 09/615,606, filed July 13, 2000 (abandoned), which claims the benefit of U.S. Application Serial No. 60/144,084, filed July 16, 1999 (expired). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/394,745, filed September 15, 1999 (pending). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/565,306, filed May 4, 2000 (abandoned), which claims the benefit of U.S. Application Serial No. 60/132,860, filed May 7, 1999 (expired). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/553,094, filed April 18, 2000 (abandoned). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/440,687, filed November 16, 1999 (abandoned). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/552,086, filed April 19, 2000 (abandoned), which claims the benefit of U.S. Application Serial No. 60/130,464, filed April 22, 1999 (expired), and also the benefit of U.S. Application Serial No. 60/141,132, filed June 28, 1999 (expired), and also the benefit of U.S. Application Serial No. 60/141,139, filed June 28, 1999 (expired), and also the benefit of U.S. Application Serial No. 60/141,135, filed June 28, 1999 (expired), and also the benefit of U.S. Application Serial No. 60/130,174, filed April 20, 1999 (expired). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/531,113, filed March 22, 2000 (pending), which claims the benefit of U.S. Application Serial No. 60/125,818, filed March 23, 1999 (expired), and also the benefit of U.S. Application Serial No. 60/141,132, filed June 28, 1999 (expired), and also the benefit of U.S. Application Serial No. 60/141,139, filed June 28, 1999 (expired), and also the benefit of

U.S. Application Serial No. 60/141,135, filed June 28, 1999 (expired), and also the benefit of
U.S. Application Serial No. 60/125,817, filed March 23, 1999 (expired), and also the benefit of
U.S. Application Serial No. 60/130,174, filed April 20, 1999 (expired). This application also
claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No.
09/692,257, filed October 19, 2000 (pending). This application also claims priority under 35
U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/565,240, filed May 8,
2000 (abandoned). This application also claims priority under 35 U.S.C. §120 as a continuation-
in-part of U.S. Application Serial No. 09/619,643, filed July 19, 2000 (abandoned). This
application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S.
Application Serial No. 09/663,423, filed September 15, 2000 (abandoned), which claims the
benefit of U.S. Application Serial No. 60/154,375, filed September 17, 1999 (expired). This
application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S.
Application Serial No. 09/669,817, filed September 26, 2000 (abandoned). This application also
claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No.
09/696,664, filed October 25, 2000 (abandoned). This application also claims priority under 35
U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/837,604, filed April 18,
2001 (abandoned), which claims the benefit of U.S. Application Serial No. 60/197,872, filed
April 19, 2000 (expired). This application also claims priority under 35 U.S.C. §120 as a
continuation-in-part of U.S. Application Serial No. 09/849,526, filed May 7, 2001 (abandoned),
which claims the benefit of U.S. Application Serial No. 60/202,214, filed May 8, 2000 (expired).
This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S.
Application Serial No. 09/874,708, filed June 5, 2001 (abandoned), which claims the benefit of

U.S. Application Serial No. 60/211,750, filed June 15, 2000 (expired). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/873,402, filed June 5, 2001 (abandoned), which claims the benefit of U.S. Application Serial No. 60/209,830, filed June 6, 2000 (expired). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/865,419, filed May 29, 2001 (abandoned), which claims the benefit of U.S. Application Serial No. 60/208,063, filed May 31, 2000 (expired). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/865,439, filed May 29, 2001 (abandoned), which claims the benefit of U.S. Application Serial No. 60/207,458, filed May 30, 2000 (expired). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 09/938,294, filed August 24, 2001 (abandoned), which claims the benefit of U.S. Application Serial No. 60/228,466, filed August 29, 2000 (expired). This application also claims priority under 35 U.S.C. §120 as a continuation-in-part of U.S. Application Serial No. 10/219,999, filed August 15, 2002 (abandoned), which claims the benefit of U.S. Application Serial No. 60/312,544, filed August 15, 2001 (expired), and also claims the benefit of U.S. Application Serial No. 60/324,109, filed September 21, 2001 (expired). All of the above-referenced applications are hereby incorporated by reference in their entireties.

Please amend the "Incorporation of Sequence Listing" section at page 5, lines 1 through 5 (as presented in Applicants' originally-filed specification) as follows:

INCORPORATION OF SEQUENCE LISTING

Two copies of the sequence listing (Seq. Listing Copy 1 and Seq. Listing Copy 2) and a computer-readable form of the sequence listing are provided, all on CD-ROMs, which files are herein incorporated by reference. Each CD contains a ~~each containing the~~ file named ~~pa_00591.rpt~~ 53373B substitute seqlist.txt, which is ~~13,817,100~~ 26,419,279 bytes (measured in MS-DOS) and was created on ~~June 30, 2003~~ April 23, 2008, ~~are herein incorporated by~~ reference.

Please amend the "Incorporation of Table" section at page 5, lines 6 through 6 (as presented in Applicants' originally-filed specification) as follows:

INCORPORATION OF TABLE

Two copies of Table 1 and Table 2 (Table 1/Table 2 Copy 1 and Table 1/Table 2 Copy 2) ~~(Table 1 Copy 1 and Table 1 Copy 2)~~ all on CD-ROMs, each containing the file are provided on CD-ROMs. Both CDs, which are herein incorporated by reference, contain a file named ~~pa_00591.txt~~ 53373B OrphanAnnotations1.txt, which is ~~5,639,445~~ 3,407,495 bytes (measured in MS-DOS) and a file named 53373B OrphanAnnotations2.txt, which is 24,058 bytes (measured in MS-DOS), both of which files were ~~was~~ created on ~~July 1, 2003, October 26, 2007.~~ are herein incorporated by reference.